201

256

256

210

220

200

257

257 260

259

258

263

262 221

259

P | T | P | T | D | T | D

HIGH SPEED BUS 275

H | E | F | A

270 272 271 274

277

SCP
276

295
INTERNET

FIGURE 1F

293 PACKET
CLASS

ROUTER
DAEMON 294

292
PACKET

PACKET
SCHEDULER 298

291
CODEC

290
PSTN
NET
INTERFACE

296
INTERNET
NET INT.

INTERNET
295

FIGURE 1G

602 — COLLECT DATA FROM NETWORK ELEMENTS

604 — CONVERT NE SPECIFIC PROTOCOL

606 — TRAP SIGNALING EVENTS

608 — SIGNALING EVENT LIST

SCHEDULED EVENTS

612

610 — PARSE EVENTS

PARSING RULES

614

616 — CREATE STANDARDIZED EVENT OBJECTS

FIG. 6

702 — COLLECT TOPOLOGY FROM DATA SOURCES

704 — PARSE AND STANDARDIZED DATA

706 — VALIDATE DATA

708 — STORE TOPOLOGY DATA IN DATA STORE

710 — COMPARE NEW TOPOLOGY TO ACTIVE CONFIGURATION

712 — STORE TOPOLOGY DATA IN DATA STORE

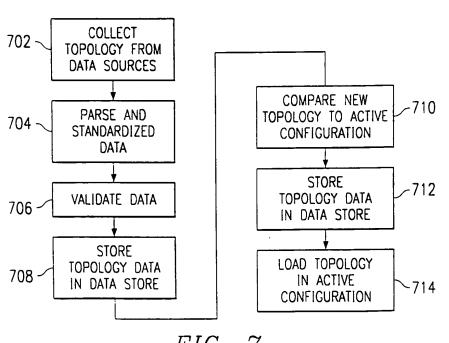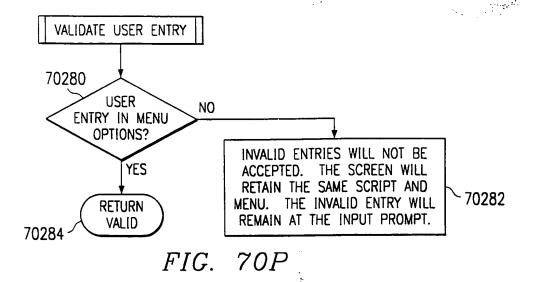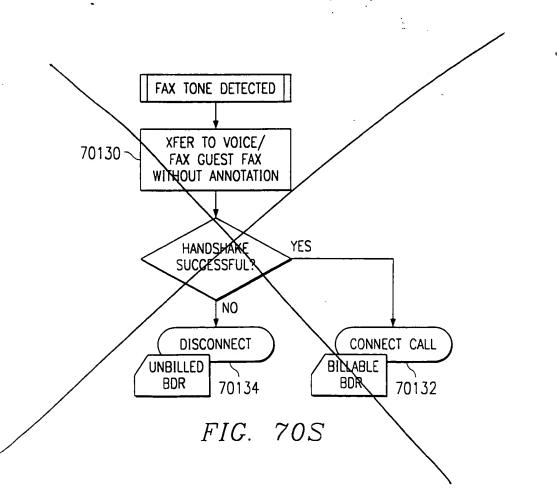714 — LOAD TOPOLOGY IN ACTIVE CONFIGURATION

FIG. 7

Docket No.: VON-96-046-C1   Appln No.: NOT ASSIGNED
Title: A System and Method for Providing Requested Quality of Service in a
Hybrid Network
Inventors: ELLIOT et al

Sheets of Drawings: 100 of   134

```
            ┌─────────────────────────┐
            │  VALIDATE USER ENTRY     │
            └─────────────────────────┘
                        │
  70280                 ▼
              ╱───────────────────╲
             ╱       USER           ╲        NO
             ╲  ENTRY IN MENU       ╱──────────────┐
              ╲    OPTIONS?        ╱               │
               ╲─────────────────╱                ▼
                        │              ┌──────────────────────────────┐
                      YES              │ INVALID ENTRIES WILL NOT BE  │
                        ▼              │ ACCEPTED.  THE SCREEN WILL   │
                  ╭──────────╮         │ RETAIN THE SAME SCRIPT AND   │── 70282
                  │ RETURN   │         │ MENU.  THE INVALID ENTRY WILL│
                  │ VALID    │         │ REMAIN AT THE INPUT PROMPT.  │
                  ╰──────────╯         └──────────────────────────────┘
            70284
```

FIG. 70P

```
              ┌──────────────────────┐
              │  FAX TONE DETECTED    │
              └──────────────────────┘
                        │
                        ▼
              ┌──────────────────────┐
  70130 ──│   XFER TO VOICE/      │
              │   FAX GUEST FAX       │
              │   WITHOUT ANNOTATION  │
              └──────────────────────┘
                        │
                        ▼
               ╱─────────────────╲
              ╱    HANDSHAKE       ╲        YES
              ╲   SUCCESSFUL?      ╱────────────────┐
               ╲─────────────────╱                 │
                        │                           │
                       NO                           │
                        ▼                           ▼
                 ╭──────────────╮           ╭──────────────╮
                 │  DISCONNECT  │           │ CONNECT CALL │
                 ╰──────────────╯           ╰──────────────╯
                ┌──────────┐                ┌──────────┐
                │ UNBILLED │                │ BILLABLE │
                │ BDR      │── 70134        │ BDR      │── 70132
                └──────────┘                └──────────┘
```

FIG. 70S

Docket No.: VON-96-060-C1   Appln No.: NOT ASSIGNED
Title: A System and Method for Providing Requested Quality of Service in a
Hybrid Network
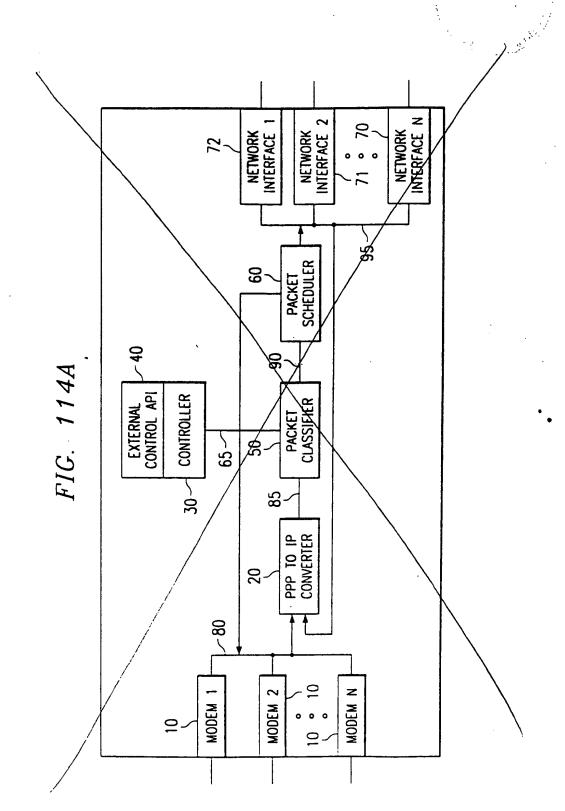Inventors: ELLIOT et al

Sheets of Drawings.   117 of 134

FIG. 114A

Docket No.: VON-96-0464-1   Appln No : NOT ASSIGNED
Title: A System and Method for Providing Requested Quality of Service in a
Hybrid Network
Inventors: ELLIOT et al.

Sheets of Drawings: 134 of   134

FIG. 114B

Callback Home Page

Callback Number

Call to Number #1

Call to Number #2

Charge to Number

PUBLIC SERVICE TELEPHONY NETWORK

BASIC INTERNET PROTOCOL PLATFORM

PUBLIC SERVICE TELEPHONY NETWORK

PUBLIC SERVICE TELEPHONY NETWORK